



Case No. BP0207US-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

10/765,264

Confirmation No.: 9574

Applicant(s)

Pappin et al.

Filed

01/27/2004

TC/A.U.

1743

Examiner

To be assigned

For

METHODS AND MIXTURES PERTAINING TO ANALYTE

DETERMINATION USING
ELECTROPHILIC LABELING

REAGENTS

Customer No.

23544

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the US Postal Service as First Class Mail addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450,

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants submit herewith patents, publications or other information listed on the attached Information Disclosure Statement of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) [] accompanies a new patent application submitted herewith.
- (b) [] is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) [x] as far as is known to the undersigned, is filed before the mailing date of a first Office action on the merits.

- (d) [] as far as is known to the undersigned, is filed before the mailing date of a first

 Office action after the filing of a request for continued examination under § 1.114.
- (e) [] is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final action under §1.113, a notice of allowance under §1.311, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Should any fee be due, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.
- (f) [] is filed after the mailing date of either a final rejection or a notice of allowance, but on or before the payment of the issue fee, and is accompanied by the fee (\$180) set forth in 37 CFR §1.17(i)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement. The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. A duplicate of this sheet is enclosed.

[If either of boxes (e) or (f) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

- [] Each item of information contained in the information disclosure statement was first cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- [] No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.

A copy of the items on the Information Disclosure Statement that are not United States Publications:

[x] are supplied herewith.

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[] are not supplied because they were previously cited by or submitted to the Office in application Serial No. _____, filed _____ and relied upon in this application for an earlier filing date under 35 USC §120.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,

Date: 10, 2006

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	AV	US2005/0049406 A1	03/03/2005	Lercher al	ı et						
	AW	US2002/0192720 A1	12/19/2002	Parker al	Parker et al				5/8/2001		
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	BY	EP0990047 B1	2/4/1999								
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	GS	Theodora W. G. Organic Synthologous 0-471-16019-9	reene & Pete esis 3 rd ed	er G.M. ./ John	Wuts, Wiley	Protec & Sons	tive , Ind	Grou	ps in 1999,	ISBN	

	GT	Barlett Jones, M., et al., "Peptide Ladder Sequencing by Mass Spectrometry Using a Novel, Volatile Degradation Reagent", Rapid						
		Communications in Mass Spectrometry, Vol 8, 737-742 (1994)						
	GU	Day, Richard et al, "N-Terminal Groups in Mass Spectrometry of						
		Peptides. A Study Including Some New and Useful Derivatives", J. Org. Chem., Vol 38, No. 4, 1975 782-788						
	GV	Duffield, A. et al., "Mass Spectrometry in Structural and						
	"	Stereochemical Problems LVIII. A Study of the Fragmentation						
		Processes of Some Lactams", Contribution from the Department of						
		Chemistry of Stanford University, Stanford, CA, August 5, 1964, pps. 5536-5541						
	1	Gatlin, C et al, "Copper(II) Amino Acid Complexes in the Bas						
	GW	Phase", J. Am. Chem. Soc. 1995, 117, 3637-3638						
	GX	Gatlin, C et al, "Carboxylate and Amine Terminus Directed						
	021	Fragmentations in Gaseous Dipeptide Complexes with Copper (II) and Diimine Ligands Formed by Electrospray, Anal. Chem. 1996, 68, 263-270						
	GY	Haralambidou, E., et al., "Effect of Distal Positional Isomerism on						
	GI	Peptide Fragmentation. A Comparison of Dimethylaminobenzylidene and						
	·	Benzoyl Derivatives", Organic Mass Spectrometry, 10: 683-697 (1975) Medzihradszky, Katalin et al, "Peptide Sequence Determination by						
	GZ	Matrix-Assisted Laser Desorption Ionization Employing a Tandem Double						
		Focusing Magnetic-Orthogonal Acceleration Time-of-Flight Mass						
		Spectrometer", American Society for Mass Spectrometry, 1996, 7, 1-10						
Н	HA	Spengler, R et al, "Peptide Sequencing of Charged Derivatives by Postsource Decay MALDI Mass Spectrometry", International Journal						
		Mass Spectrometry and Ion Processes, 169/170 (1997) 127-140						
	нв	Cuproth D. of all "Truest of Mars Continues of Carlingtonia"						
	пъ	SuBmuth, R., et al, "Impact of Mass Spectrometry on Combinatorial Chemistry", Journal of Chromatography B, 725 (1999) 49-65						
	НC	Roth, Kenneth et al, "Charge Derivatization of Peptides for Analysis						
		by Mass Spectrometry", Mass Spectrometry Reviews, 1998, 17, 255-274						
	HD	Zhu, Xuegong et al, "Peptide Quantification by Tandem Mass						
	HE	Spectrometry", Mass Spectrometry Reviews, 1996, 15, 213-240 Peng, Junmin et al, "Proteomics: the move to mixtures", Journal of						
		Mass Spectrometry, 2001: 36, 1083-1091						
	HF	Ross, Philip et al, "Investigation of Chemical Derivatization i						
		Peptide CID Using LC-MALDI TOF MS/MS", Applied Biosystems Poster Number ThPF 250						
	HG	Huang, Yulin et al, "A Method for High Efficiency Peptide Sequencin						
		Using Combined Enzymatic Digestion and Chemical Derivatization on						
	1777	MALDI MSMS", Applied Biosystems Poster Number 1159						
	HH	Sherman, Nicholas et al, "A Novel N-Terminal Derivative Designed to Simplify Peptide Fragmentation", Proceedings of the 43 rd ASMS Conference on Mass Spectrometry and Allied Topics, Atlanta, Georgia,						
		May 21-26 1995, pp 626-627						
Examiner		Date Considered						
*EXAMINED	₹• Tn	ITTIAL IT reference considered whether or not ditation is in						
*EXAMINER		itial if reference considered, whether or not citation is in th MPEP 609; Draw line through citation if not in conformance and not						